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"C:\Program Files\Java\jdk-15.0.2\bin\java.exe"
8-Puzzle Problem
Please select an option:
1) Random Puzzle
2) User-Defined Puzzle
3) Exit
2
Enter a new puzzle:
129400367
Empty Pos: 4
1 2 5
4 0 8
3 6 7
SOLVING PUZZLE WITH H1
1 2 5
4 0 8
3 6 7
Step Cost: 0 - Search Cost: 0
1 2 5
0 4 8
3 6 7
Step Cost: 1 - Search Cost: 4
0 2 5
1 4 8
3 6 7
Step Cost: 2 - Search Cost: 6
1 2 5
3 4 8
0 6 7
Step Cost: 2 - Search Cost: 7
1 2 5
3 4 8
6 0 7
Step Cost: 3 - Search Cost: 8
1 2 5
3 4 8
6 7 0
Step Cost: 4 - Search Cost: 10
1 2 5
3 4 0
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6 7 0
Step Cost: 4 - Search Cost: 10
1 2 5
3 4 0
6 7 8
Step Cost: 5 - Search Cost: 11
1 2 0
3 4 5
6 7 8
Step Cost: 6 - Search Cost: 13
1 0 2
3 4 5
6 7 8
Step Cost: 7 - Search Cost: 14
0 1 2
3 4 5
6 7 8
Step Cost: 8 - Search Cost: 16
GOAL FOUND AT SEARCH COST OF 16
SOLVING PUZZLE WITH H2
1 2 5
4 0 8
3 6 7
Step Cost: 0 - Search Cost: 0
1 2 5
0 4 8
3 6 7
Step Cost: 1 - Search Cost: 4
1 2 5
3 4 8
0 6 7
Step Cost: 2 - Search Cost: 6
1 2 5
3 4 8
6 0 7
Step Cost: 3 - Search Cost: 7
1 2 5
3 4 8
6 7 0
Step Cost: 4 - Search Cost: 9
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Step Cost: 3 - Search Cost: 7
1 2 5
3 4 8
6 7 0
Step Cost: 4 - Search Cost: 9
1 2 5
3 4 0
6 7 8
Step Cost: 5 - Search Cost: 10
1 2 0
3 4 5
6 7 8
Step Cost: 6 - Search Cost: 12
1 0 2
3 4 5
6 7 8
Step Cost: 7 - Search Cost: 13
0 1 2
3 4 5
6 7 8
Step Cost: 8 - Search Cost: 15
GOAL FOUND AT SEARCH COST OF 15
FINISHED!

Solved Using H1
Depth: 8
Search Cost: 16
Total Time: 5 ms

Solved Using H2
Depth: 8
Search Cost: 151
Total Time: 2 ms

d | Total Cases | H1 Search Cost | H1 Time | H2 Search Cost | H2 Time
8 | 1 | 16 | 5 ms | 15 | 2ms

Process finished with exit code 0
```